

CT.04.3

CT.4

3717

MEMORANDUM

TO: FILE

DATE 8/28/87

FROM: M. LAU

SUBJECT: Elimination Recommendation

SITE Pratt and Whitney
 NAME: CANEL Facility (Nuclear Engineering Lab) ^{Connecticut Advanced} ALTERNATE Pratt and Whitney Aircraft
 CITY: Middletown STATE: CT ^{Div.}
 or
 United Technologies

OWNER(S)

Past: _____ Current: _____
 Owner contacted ☐ yes ☒ no; if yes, date contacted _____

TYPE OF OPERATION

- ☒ Research & Development ☒ Facility Type
- ☐ Production scale testing ☐ Manufacturing
☐ Pilot Scale ☐ University
☐ Bench Scale Process ☐ Research Organization
☐ Theoretical Studies ☒ Government Sponsored Facility
☐ Sample & Analysis ☐ Other _____
- ☐ Production
☐ Disposal/Storage

TYPE OF CONTRACT

- ☒ Prime ☐ Other information (i.e., cost + fixed fee, unit price, time & material, etc) _____
☐ Subcontractor
☐ Purchase Order

Contract/Purchase Order # AT-(30-1)-2789

CONTRACTING PERIOD: 1961(?) - 1965

OWNERSHIP:

	AEC/MED OWNED	AEC/MED LEASED	GOVT OWNED	GOVT LEASED	CONTRACTOR OWNED	CONTRACTOR LEASED
LANDS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
BUILDINGS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
EQUIPMENT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ORE OR RAW MATL	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FINAL PRODUCT	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
WASTE & RESIDUE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Information indicates that as of 1967 the facility was owned
 by Pratt and Whitney.

AEC/MED INVOLVEMENT AT SITE

Control

- ☐ AEC/MED managed operations
☐ AEC/MED responsible for accountability
☒ AEC/MED overviewed operations
☐ Contractor had total control
☐ unknown

☐ Health Physics Protection

- ☐ Little or None
☐ AEC/MED responsibility
☐ Contractor responsibility

MATERIALS HANDLED:

Type (on basis of records reviewed)

- ☐ No Radioactive
☒ Natural Radioactive from Feed Materials Production
 ☐ Ore
 ☒ Refined Source Material
 ☐ Residue
☐ Natural Radioactive Material from Non-Nuclear Activities
☒ Man-Made Precious Metals Contaminated with Plutonium
☒ Other Sodium, Potassium, Lithium, Lithium Hydride
Comment _____

Quantities (on the basis of records reviewed)

- ☐ None ☐ Production Quantities
☐ Small Amounts
Comment Unknown _____

OTHER PERTINENT FACTS:

- ☐ Facility was Licensed *No licensing data have yet been found for the CANEL facility.*
 ☐ During AEC/MED-Related Operations
 ☐ For Similar Activities
 ☐ For Other Activities
Comment _____

☐ Commercial Production Involving Radioactive Material during AEC/MED Operations

☒ Facility was Decontaminated and Released

☒ Availability of Close Out Records

☐ None ☐ Some ☒ Sufficient

☐ Radioactive Status:

	YES	MAYBE	PROBABLY NOT	NOT
Contaminated Potential for Exposure (accessible)	---	<u>X</u>	---	---

Activities at the facility since 1967 are unknown.

QUANTITY OF RECORDS AVAILABLE:

☐ Very Little

☒ Some

☐ Sufficient

PROBABILITY OF FINDING ADDITIONAL RECORDS:

☐ Low

☒ Possible

☐ High

RECOMMENDATIONS:

☒ Eliminate

☐ Consider for Remedial Action

☐ Collect More Data

Comment The facility was sold unconditionally to Pratt and Whitney
in 1967

REFERENCES:

SEE Data Base Listing

4/5/74 From Pittman To Ray Study of Previously
Released Facilities (partial)

9/30/66 From Glauber, H AEC OSB To Rizzo, A.J. AEC OSB
Removal of Contaminated Equipment at the CANEL
Facility Middletown, CT.
1963 AEC Report to Congress

SUMMARY

Operations at the CANEL facility included high temperature materials
research and a reactor experiment. The facility was run by Pratt
and Whitney under contract AT-(30-1)-2789. The contract was
terminated in 1965, and the facility was sold unconditionally to
Pratt and Whitney in 1967. Before transferring the facility to Pratt
and Whitney, all contaminated equipment was removed. Responsibility
for the nuclear physics laboratory (bldg 440) and the hot laboratory
(bldg 450) was accepted by Pratt and Whitney. The rest of the contaminated
buildings were cleaned. All survey results except for buildings 440
and 450 were within current DOE guidelines for contamination. *
Because the facility was purchased unconditionally by Pratt and Whitney,
it is recommended that this site be eliminated from FUSRAP
consideration. Any future decontamination would be regulated through
NRC - site ^{plac} ~~is~~ ~~contaminated~~ acting under NRC license in 1974.

*

U.S. Department of Energy guidelines for Residual
Radioactive Material at Formerly Utilized Sites Remedial
Action Program and Remote Surplus Facility Management
Program Sites. (Revision 2, March 1987)